

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1-30. (Canceled).
31. (New) A method of inducing a CD8+ T cell immune response to an HIV Env, Gag or Pol antigen in a primate, the method comprising:
- (a) administering to the primate a composition comprising nucleic acid encoding HIV Gag, at least the protease protein and reverse transcriptase protein of HIV Pol and at least the gp120 protein and the membrane-spanning domain ectodomain of the gp41 protein of HIV Env; and
- (b) after administering the nucleic acid to the primate, administering to the primate a composition comprising recombinant MVA virus expressing HIV Gag, at least the protease protein and reverse transcriptase protein of HIV Pol and at least the gp120 protein and the membrane-spanning domain ectodomain of the gp41 protein of HIV Env whereby a CD8+ T cell immune response to an HIV Env, Gag or Pol antigen is induced.
32. (New) The method of claim 31, wherein the primate is human.
33. (New) The method of claim 31, wherein the nucleic acid encoding HIV Pol includes a mutation reducing reverse transcriptase activity.

34. (New) The method of claim 31, wherein the nucleic acid encoding HIV Pol includes a mutation reducing strand transfer activity.

35. (New) The method of claim 31, wherein the nucleic acid encoding HIV Pol includes a mutation reducing RNaseH activity.